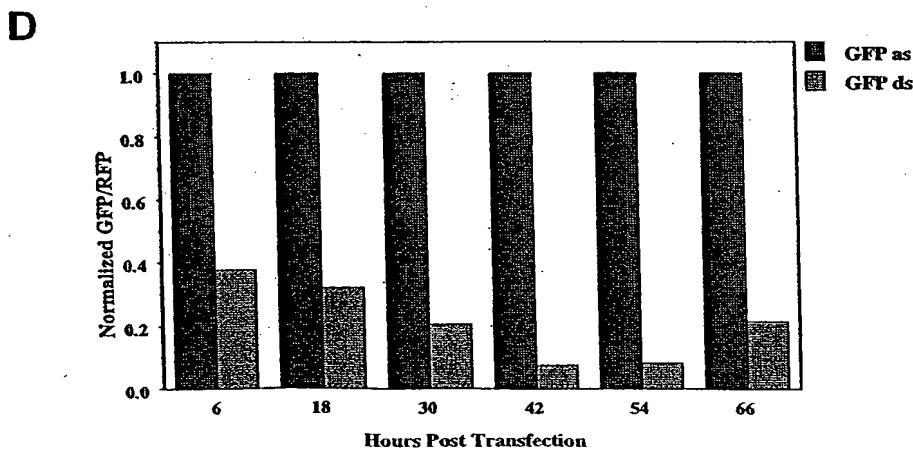
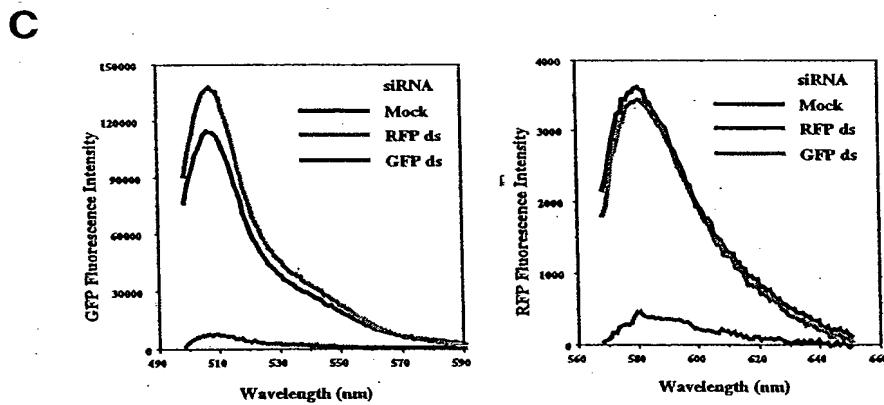
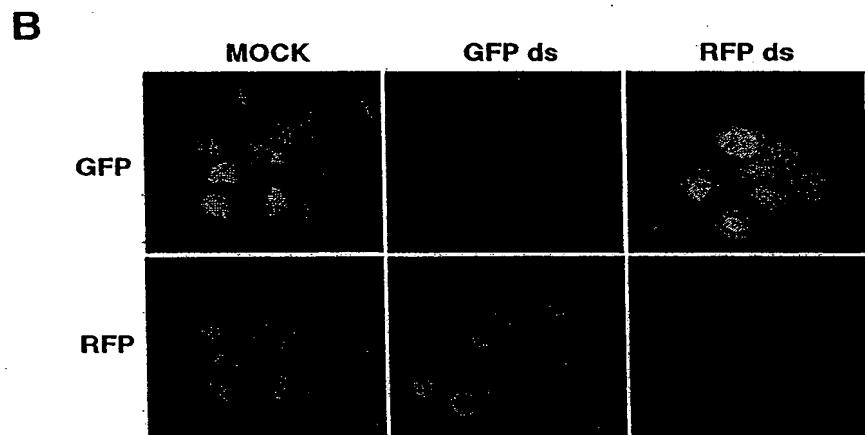
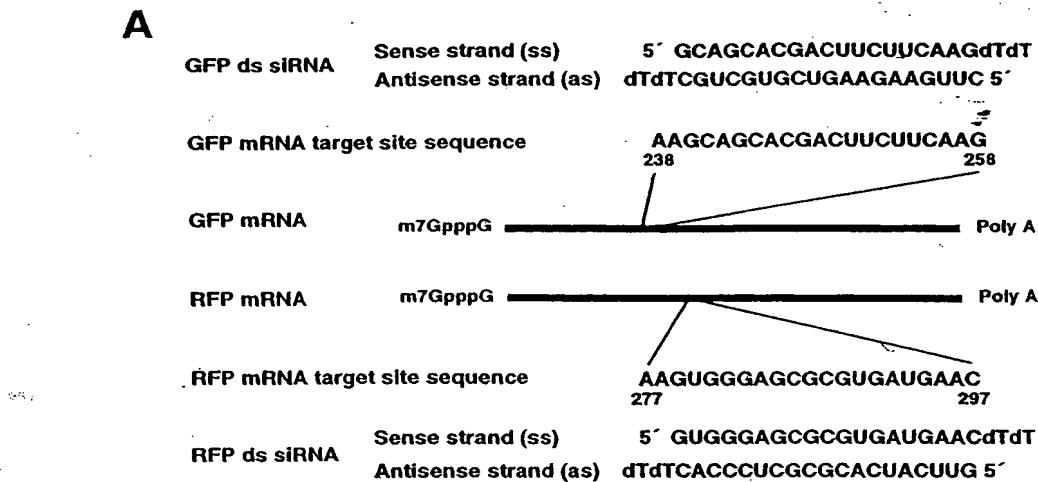


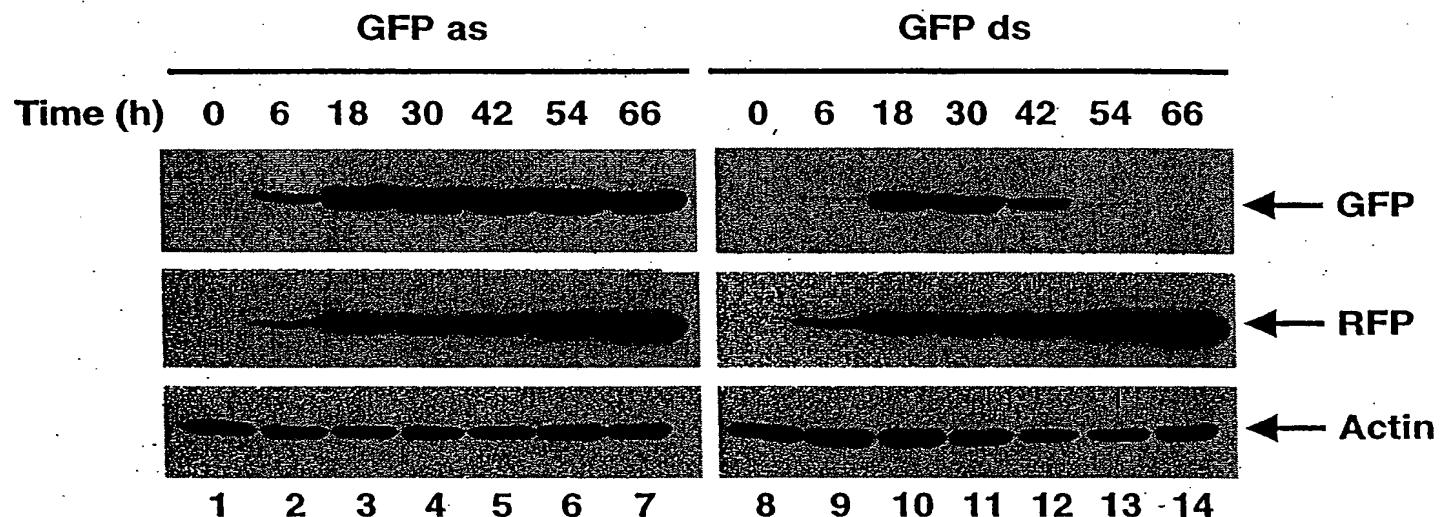
Fig 1
A-O



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Figure 1 E - F

E



F

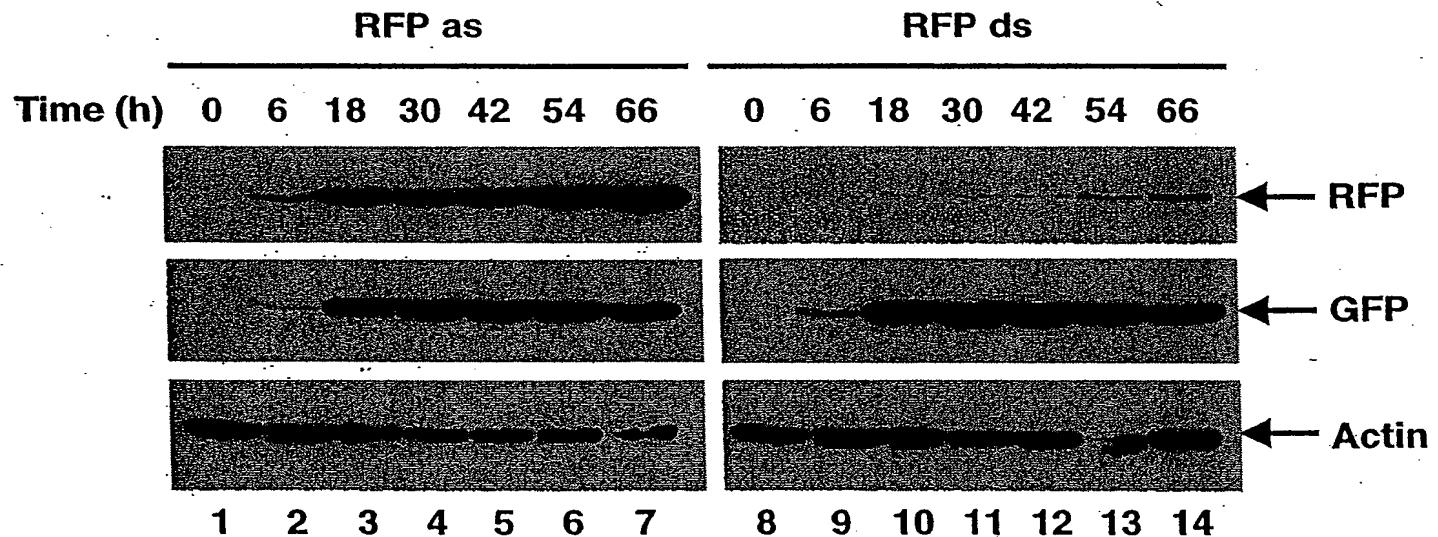
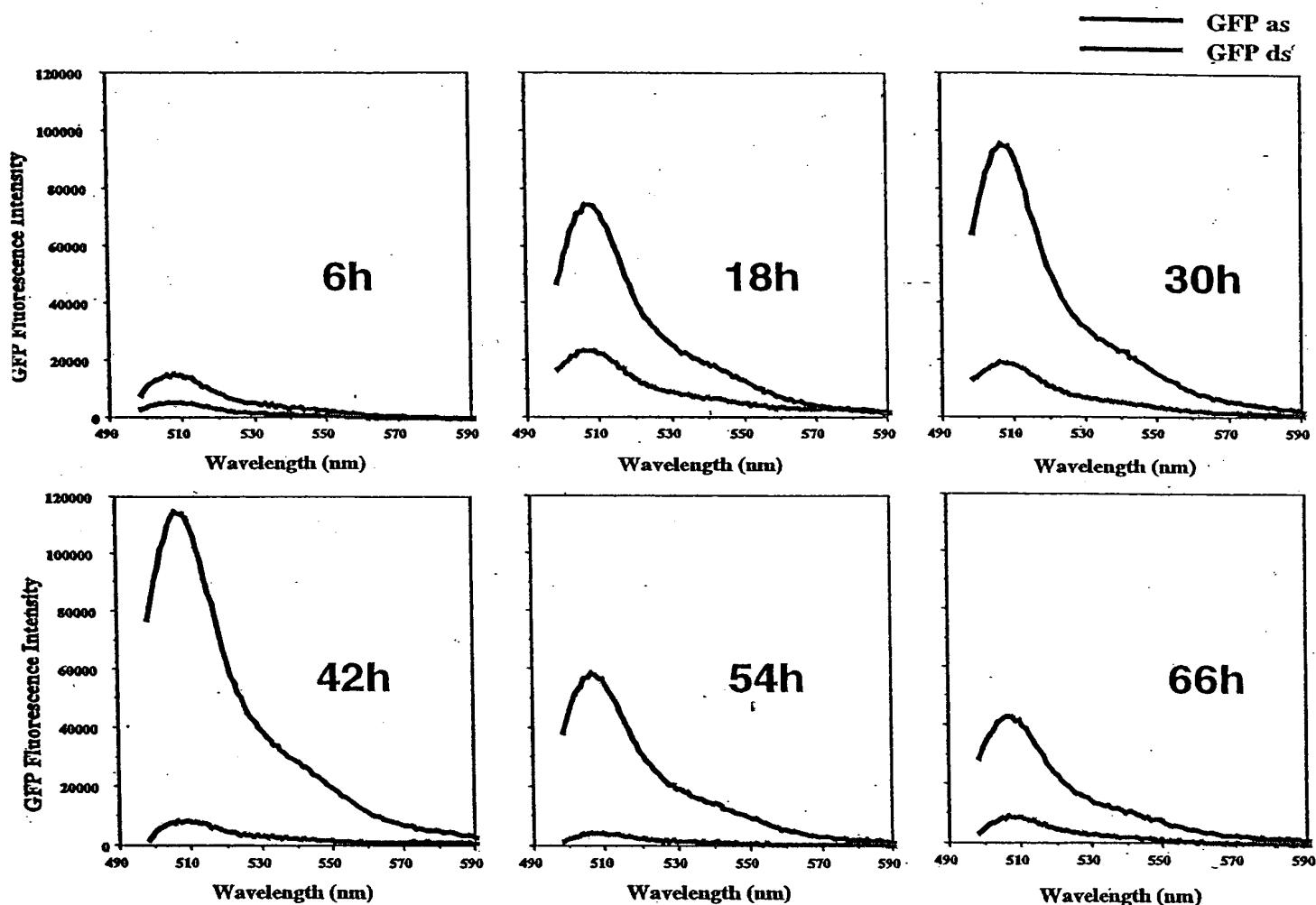


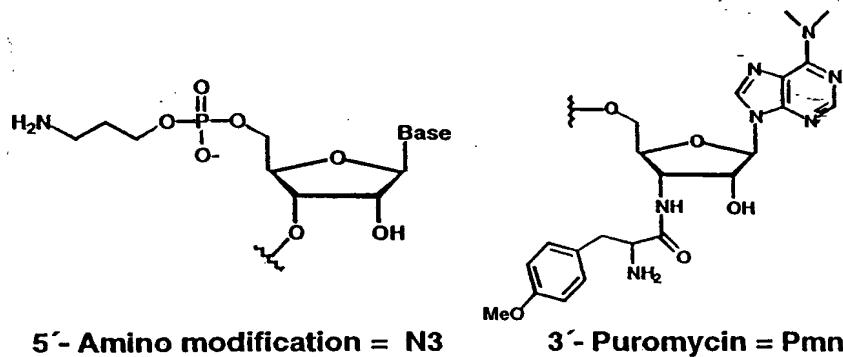
Figure 1G



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A**Fig 2****B****GFP siRNA**

	ds (WT)	GCAGCACGACUUCUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC
5' Modified siRNA	5'-N3ss/as	N3 - GCAGCACGACUUCUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC
	ss/5'-N3as	GCAGCACGACUUCUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC - N3
	5'-N3ss/5'-N3as	N3 - GCAGCACGACUUCUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC - N3
3' Modified siRNA	ss3'-Pmn/as	GCAGCACGACUUCUCAAGdTdT - Pmn dTdTTCGUCGUGCUGAAGAAGUUC
	ss/as3'-Pmn	GCAGCACGACUUCUCAAGdTdT Pmn - dTdTTCGUCGUGCUGAAGAAGUUC
	ss3'-Pmn/as3'-Pmn	GCAGCACGACUUCUCAAGdTdT - Pmn Pmn - dTdTTCGUCGUGCUGAAGAAGUUC
	ss/as3'-Biotin	GCAGCACGACUUCUCAAGdTdT Biotin - dTdTTCGUCGUGCUGAAGAAGUUC
Bulge-containing siRNA	ss-bulge/as	UG GCAGCACGA CUUCUUCAAGdTdT dTdTTCGUCGUGCUGCU GAAGAAGUUC
	ss/as-bulge	GCAGCACGA CUUCUUCAAGdTdT dTdTTCGUCGUGCUGCU GAAGAAGUUC CA
	ss-bulge/as-bulge	UG GCAGCACGA CUUCUUCAAGdTdT dTdTTCGUCGUGCUGCU GAAGAAGUUC CA

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Fig 3

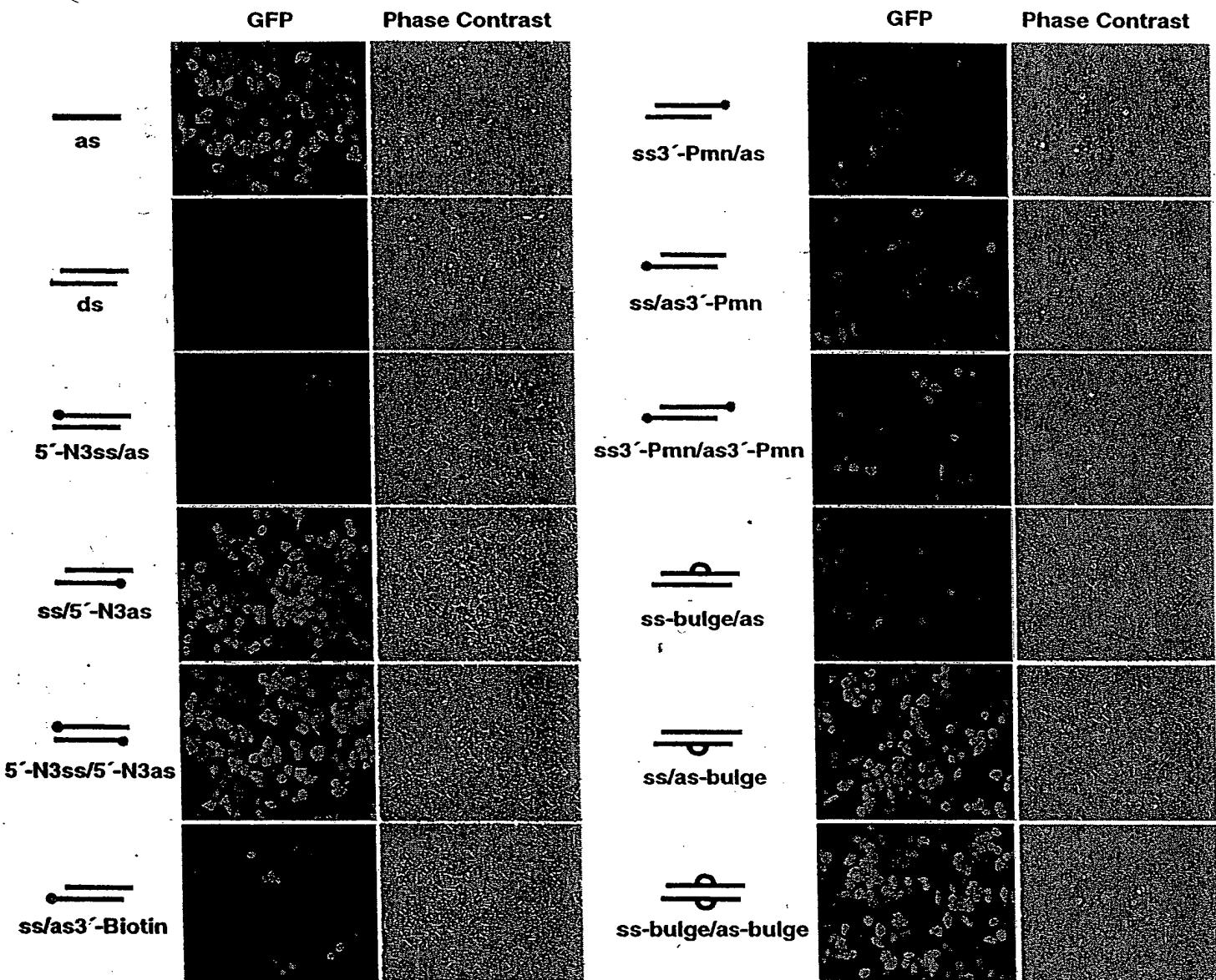
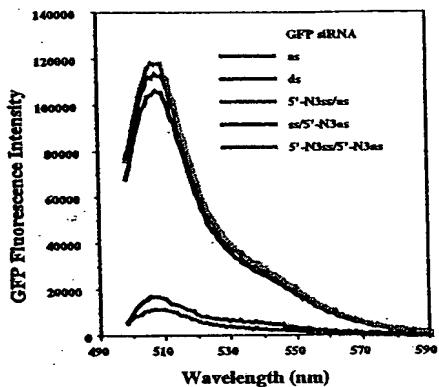


Fig 4

A



B

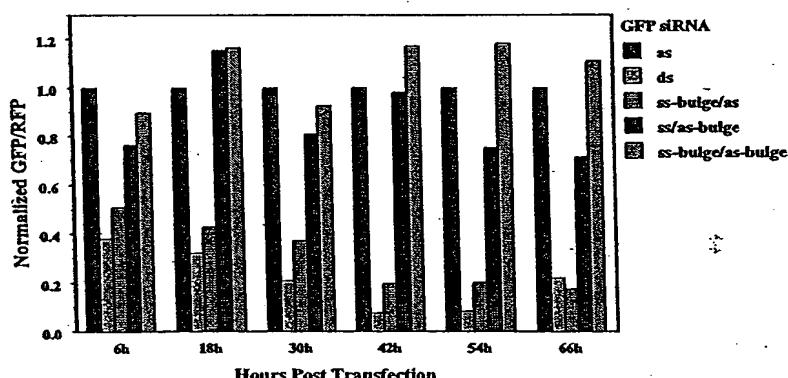
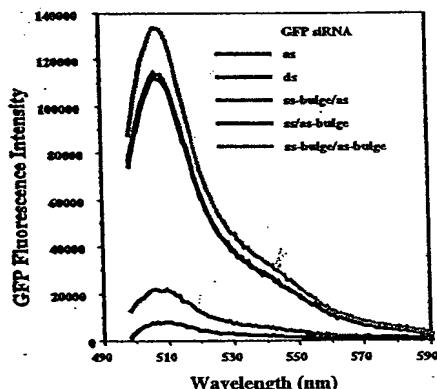
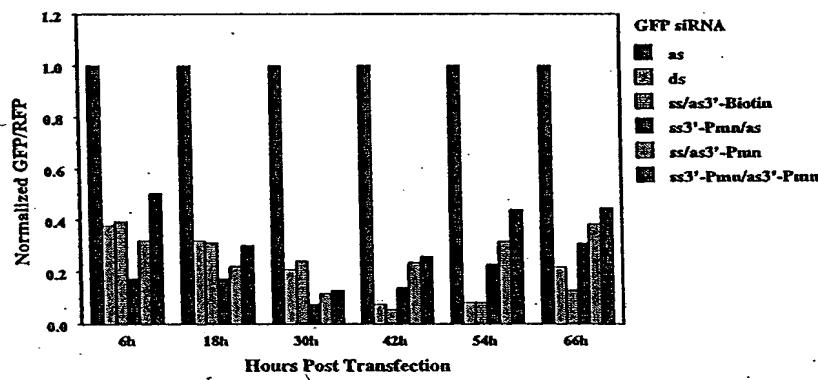
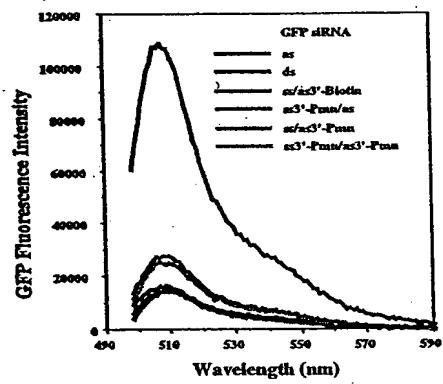
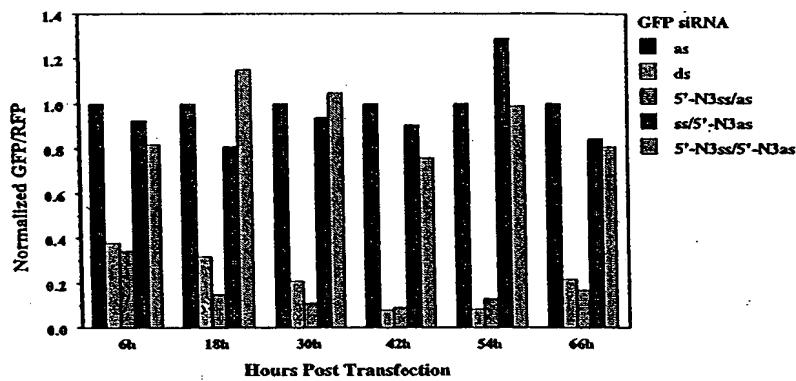


Fig 5

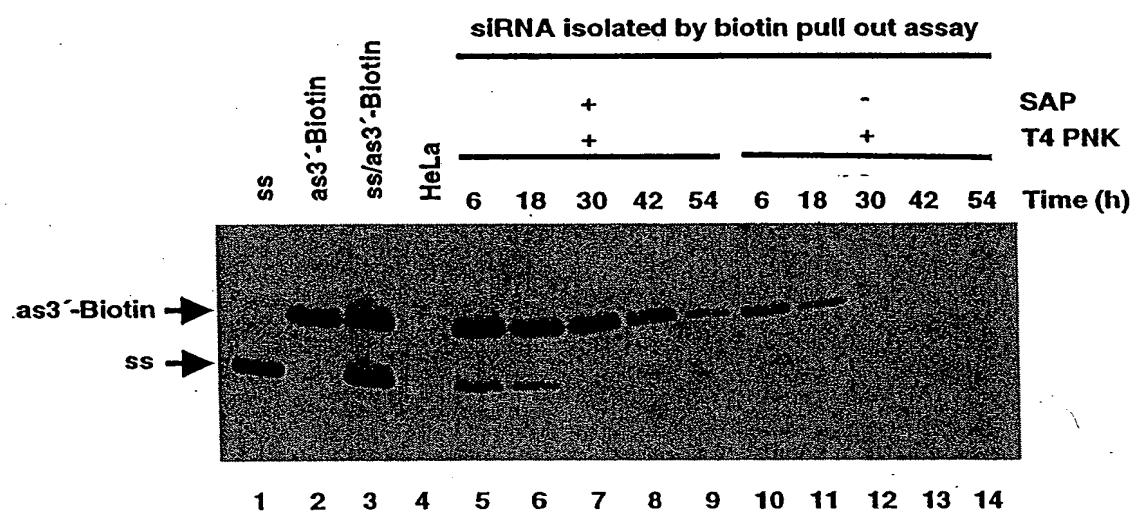
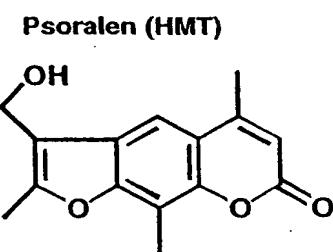
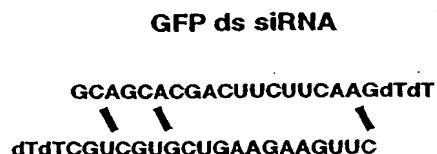


Fig 6

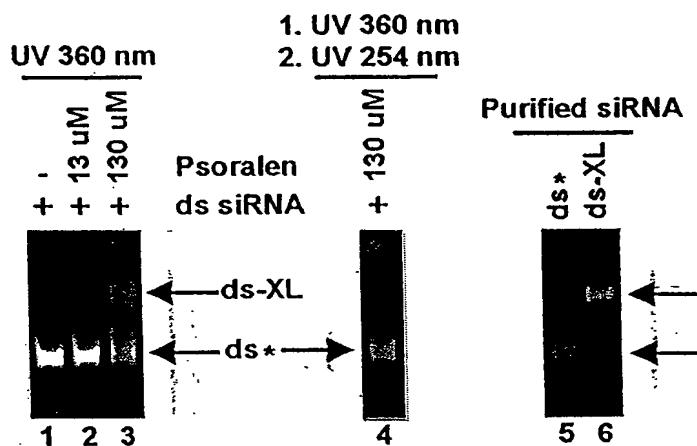
A



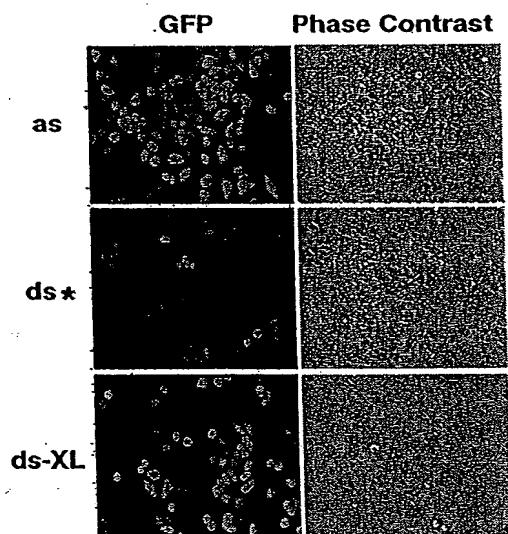
B



C



D



E

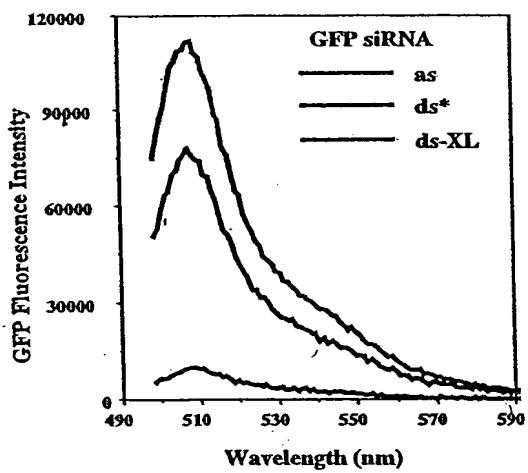


Fig 7

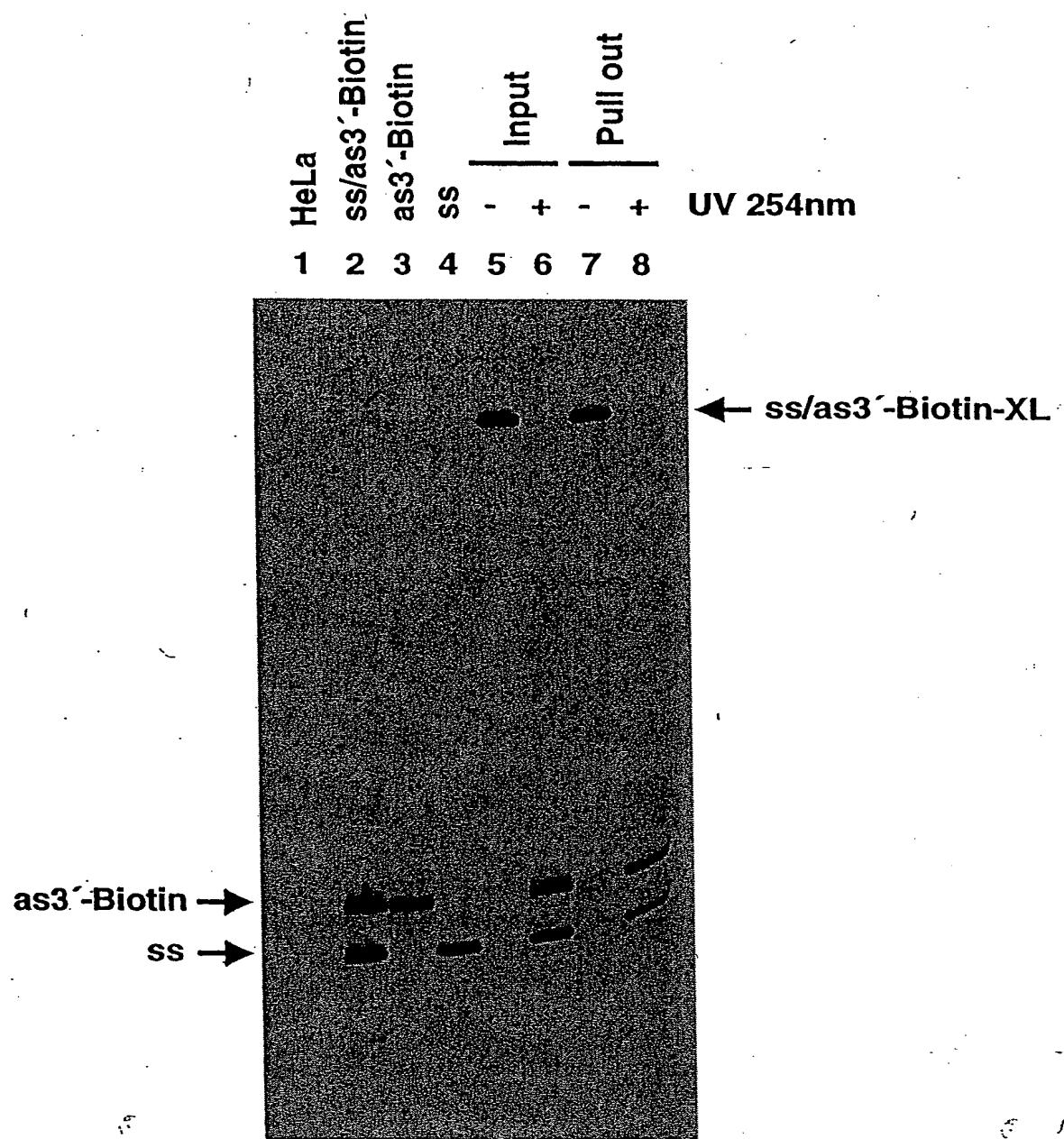
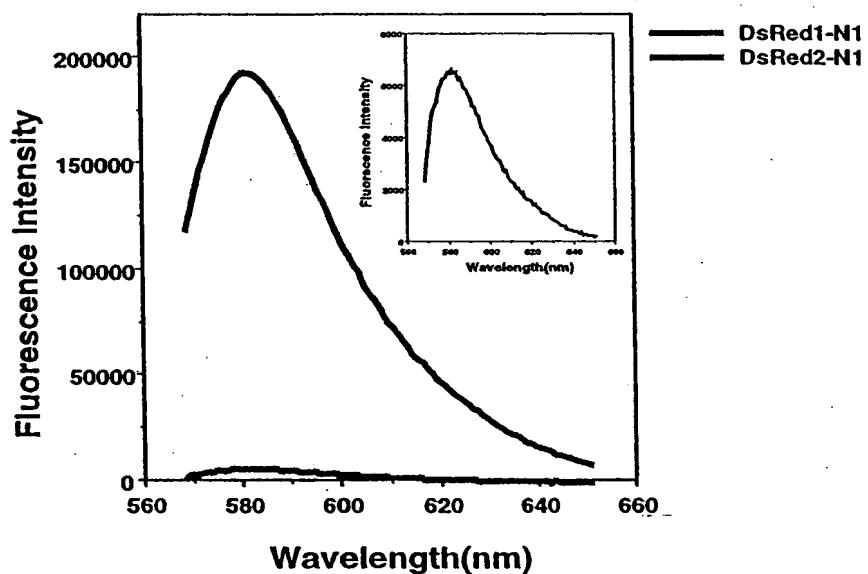


Fig 8

(A)



(B)

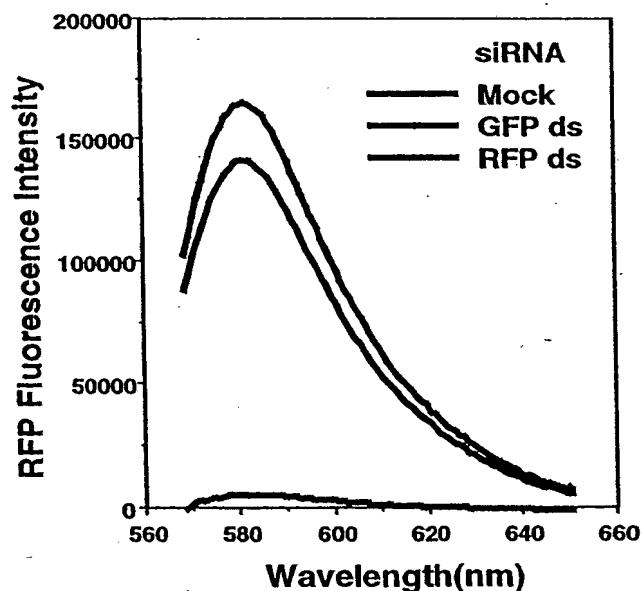
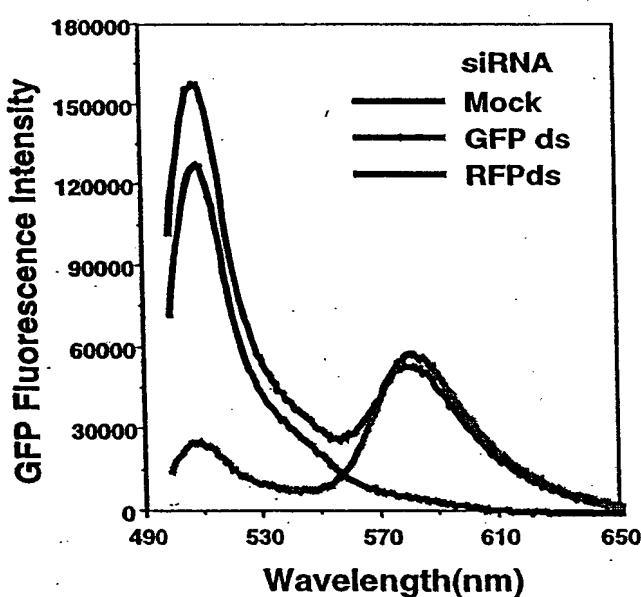
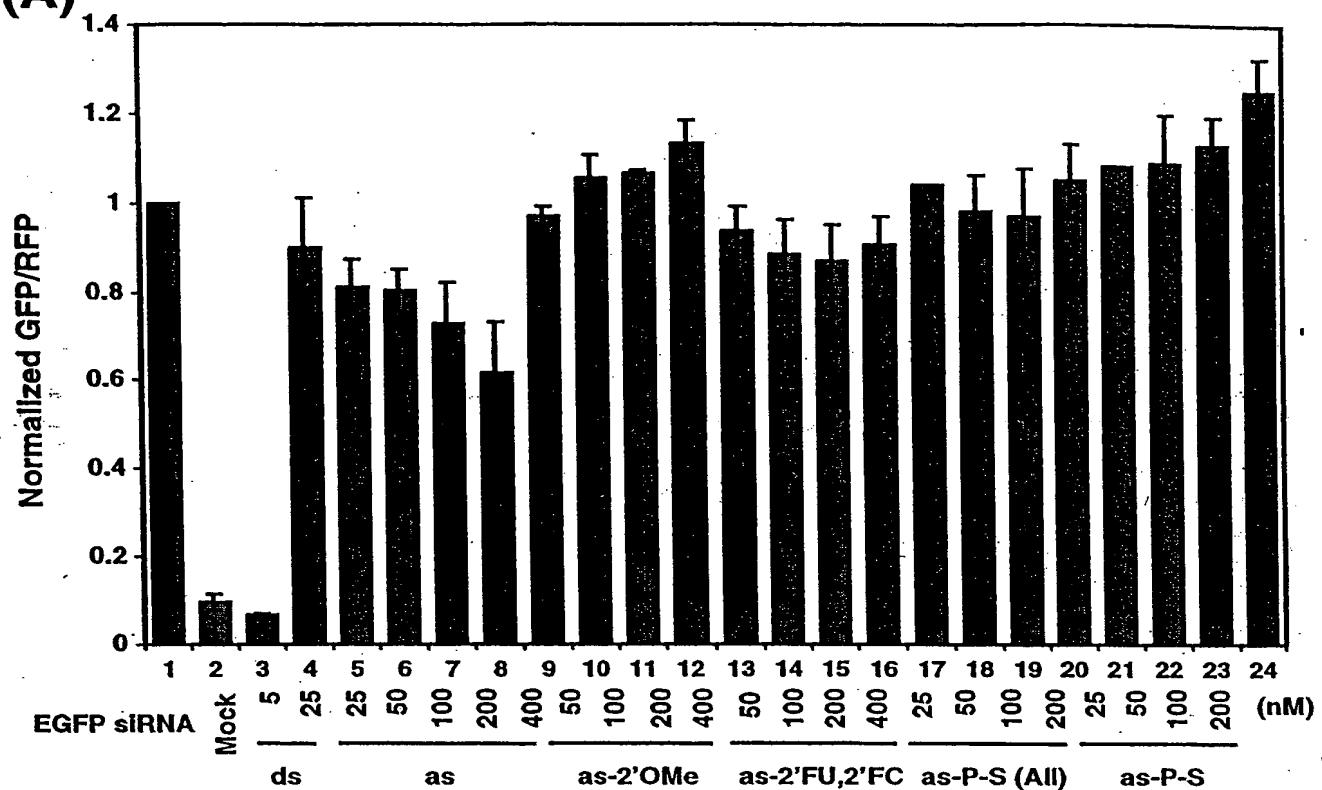


Fig 9

(A)



(B)

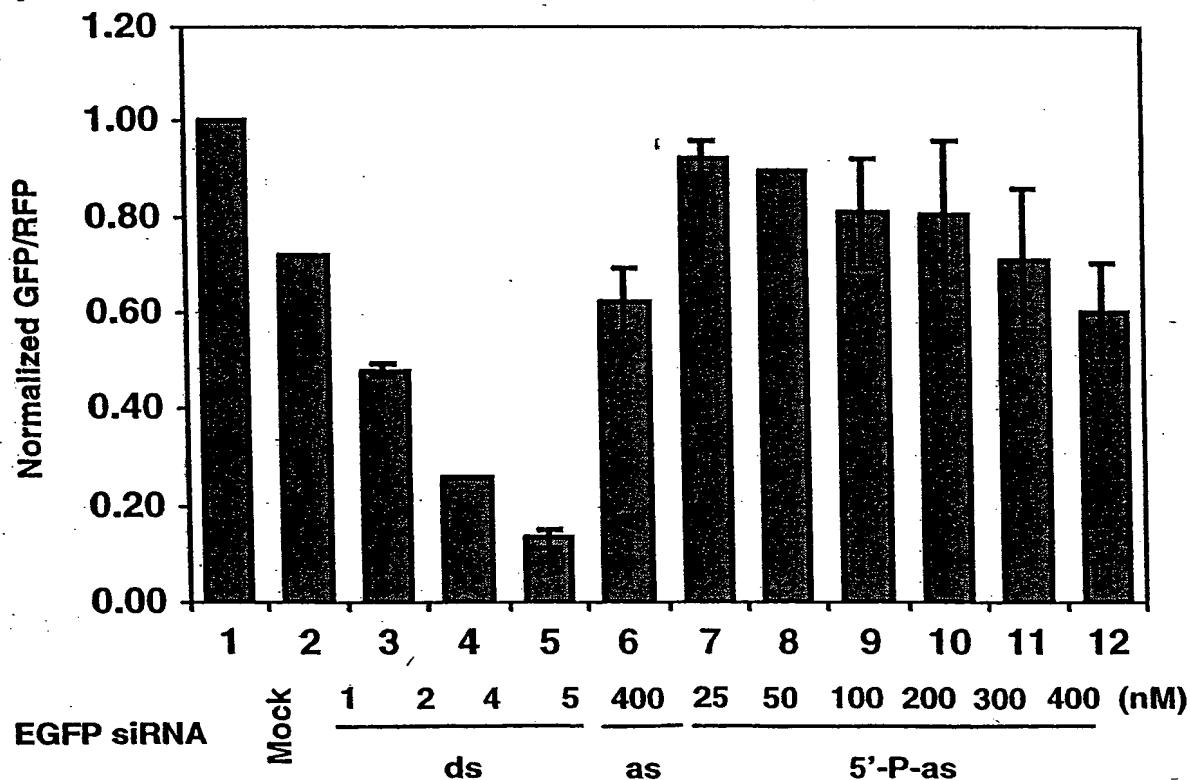
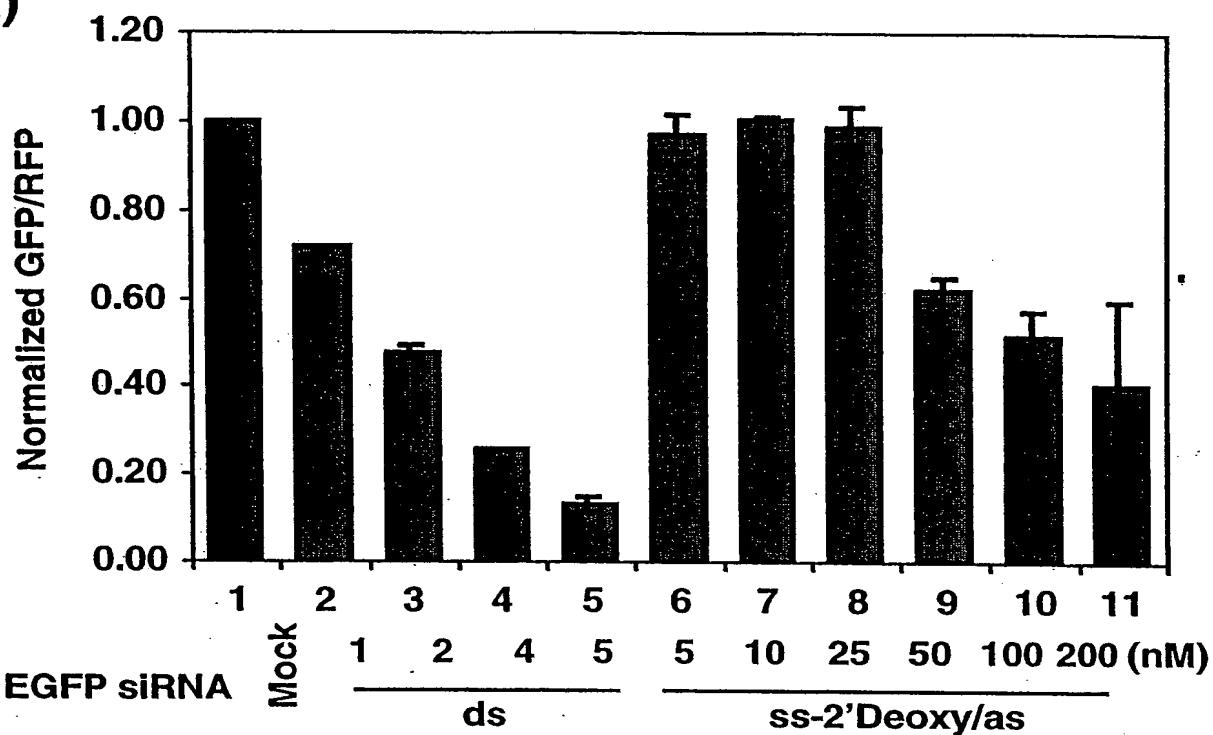


Fig 10

(A)



(B)

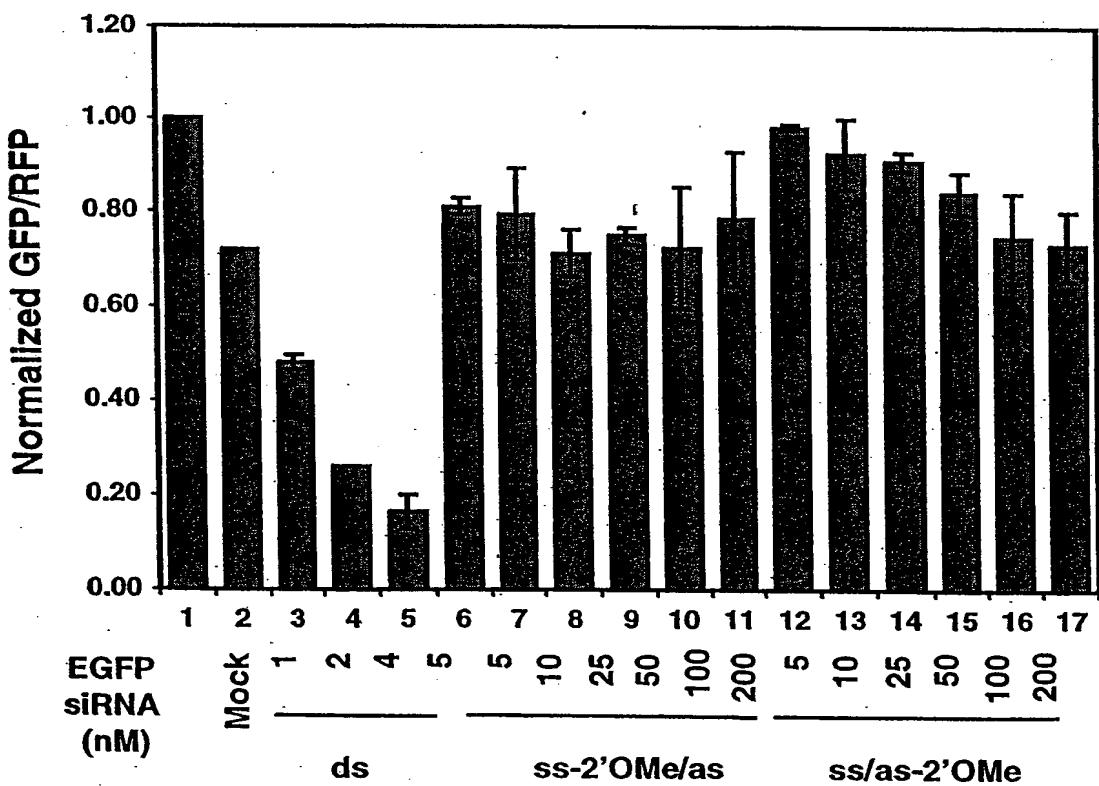


Fig 10

(C)

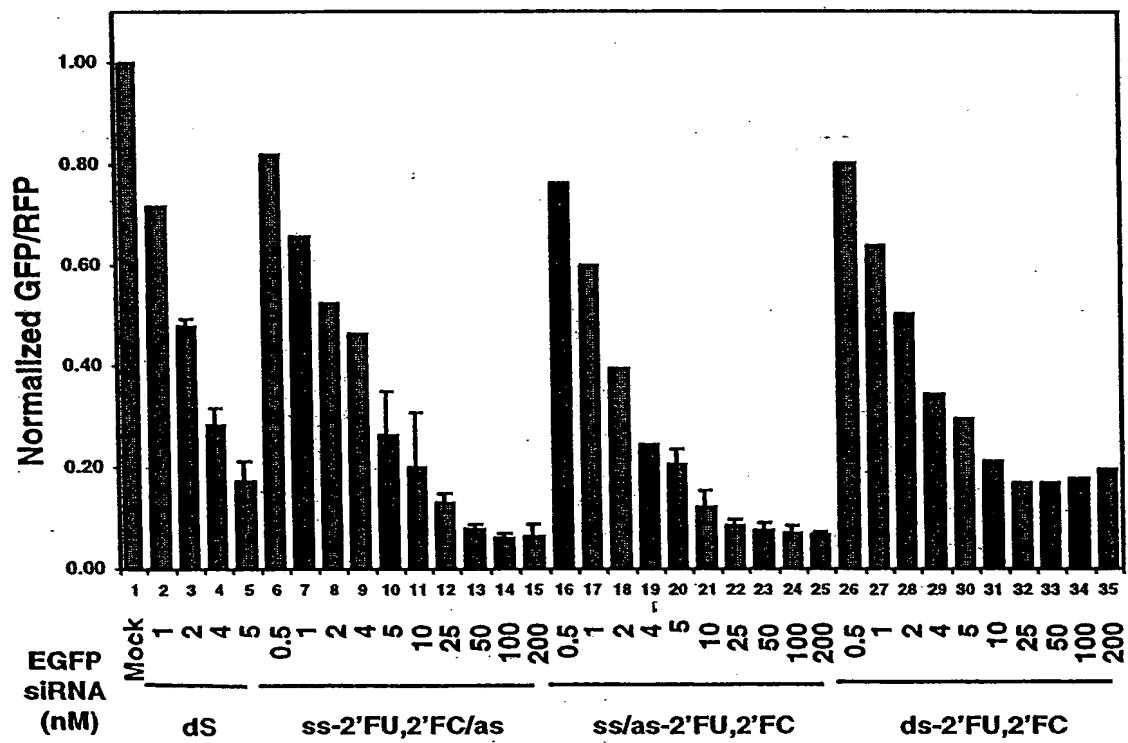


Fig 10

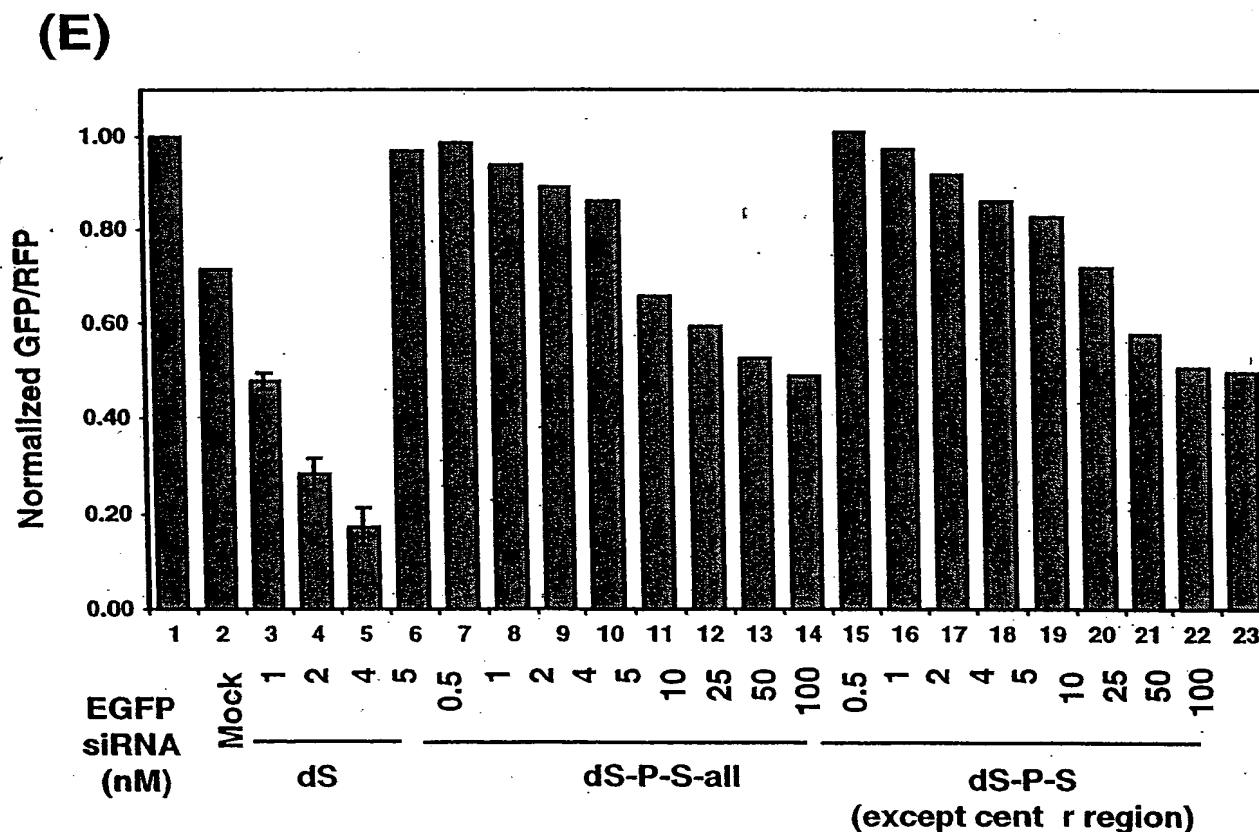
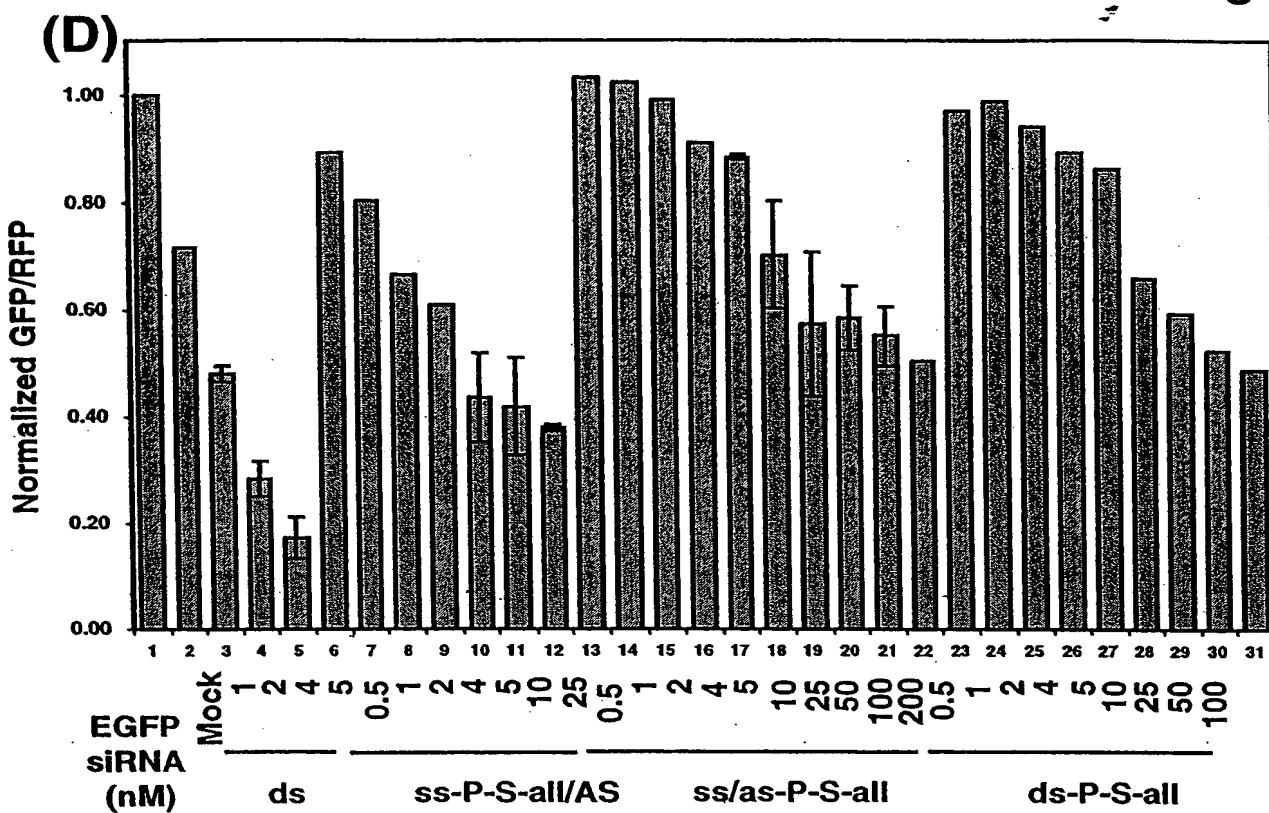
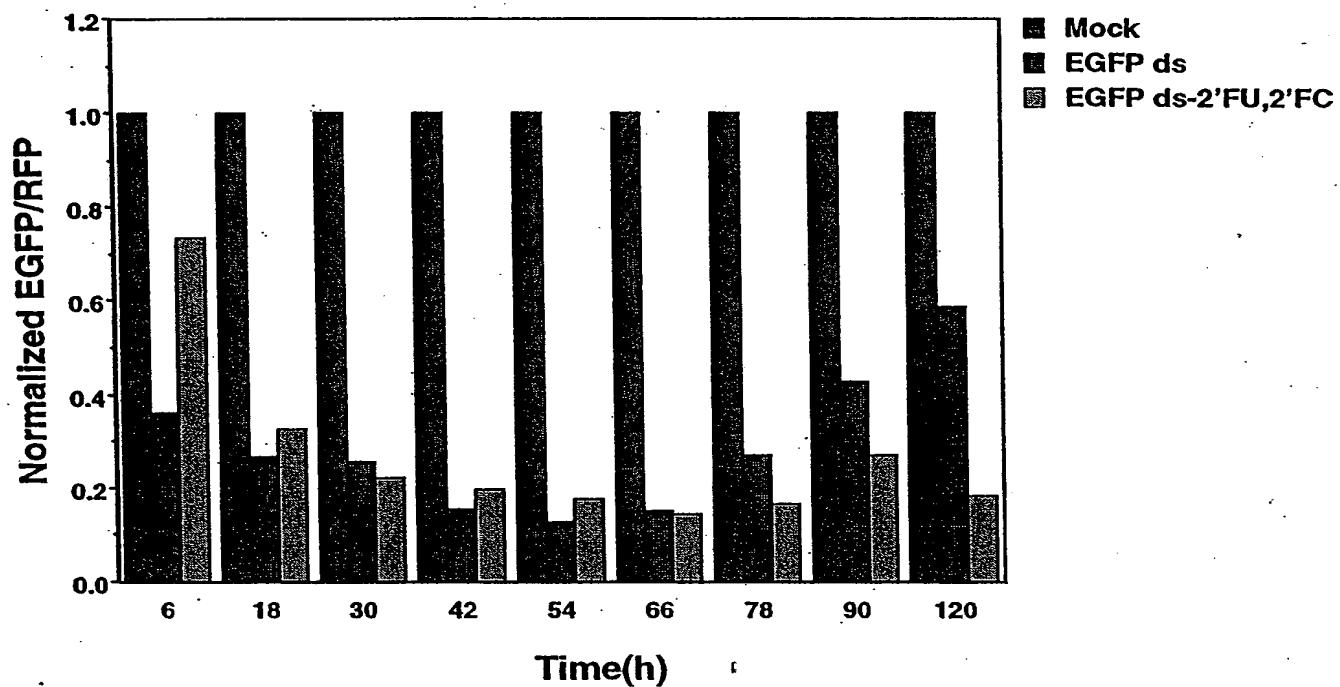


Fig 11



(A)

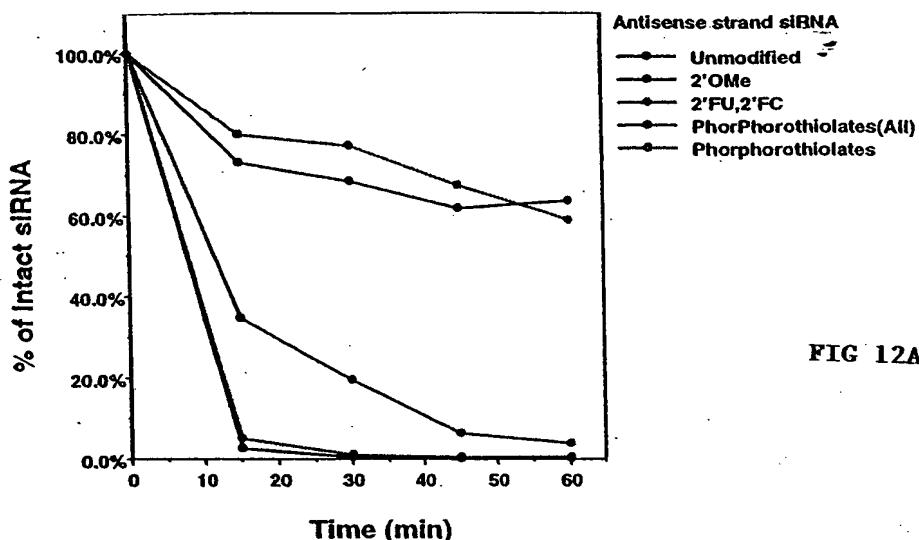
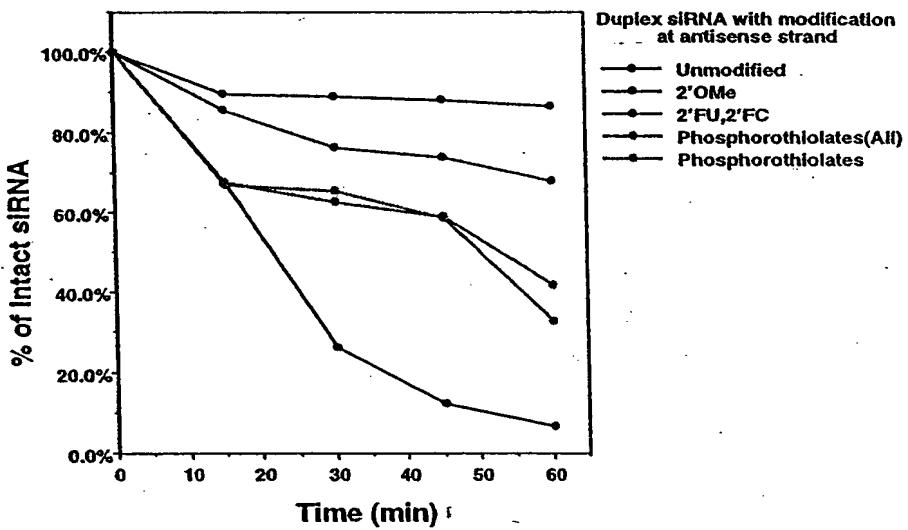


FIG 12A-C

(B)



(C)

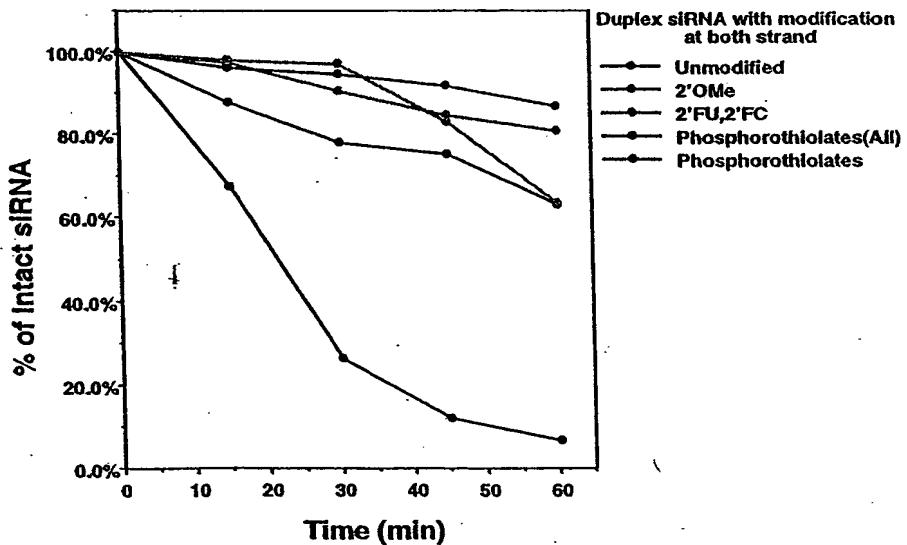
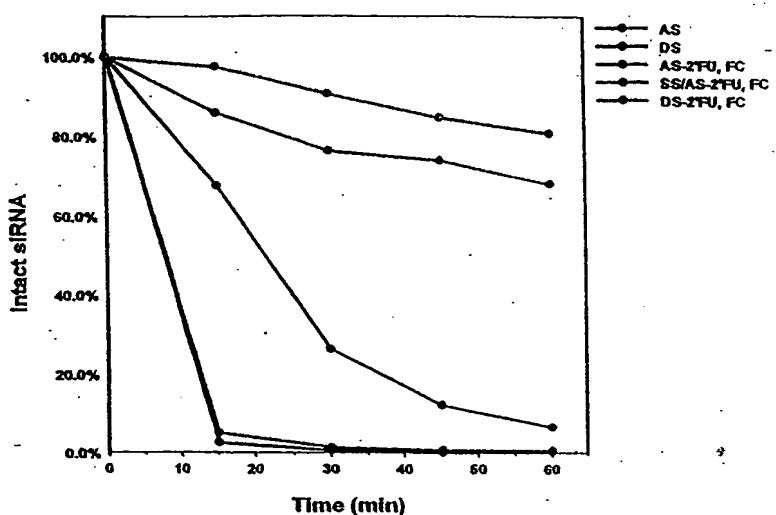


FIG 12D-E

(D)



(E)

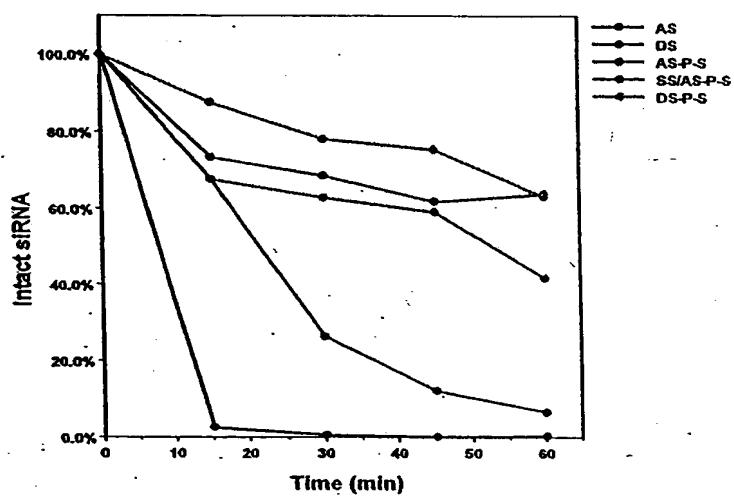
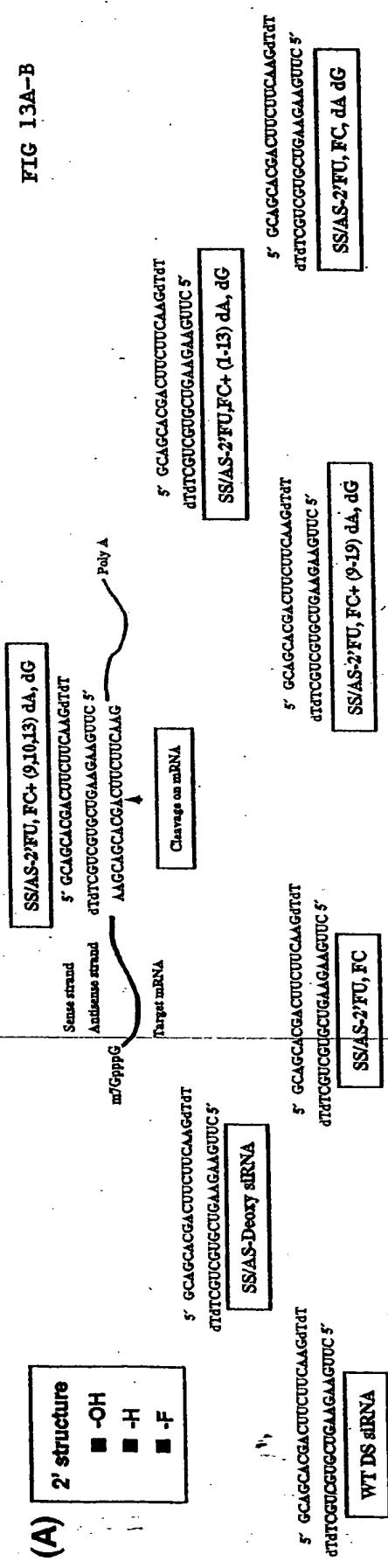
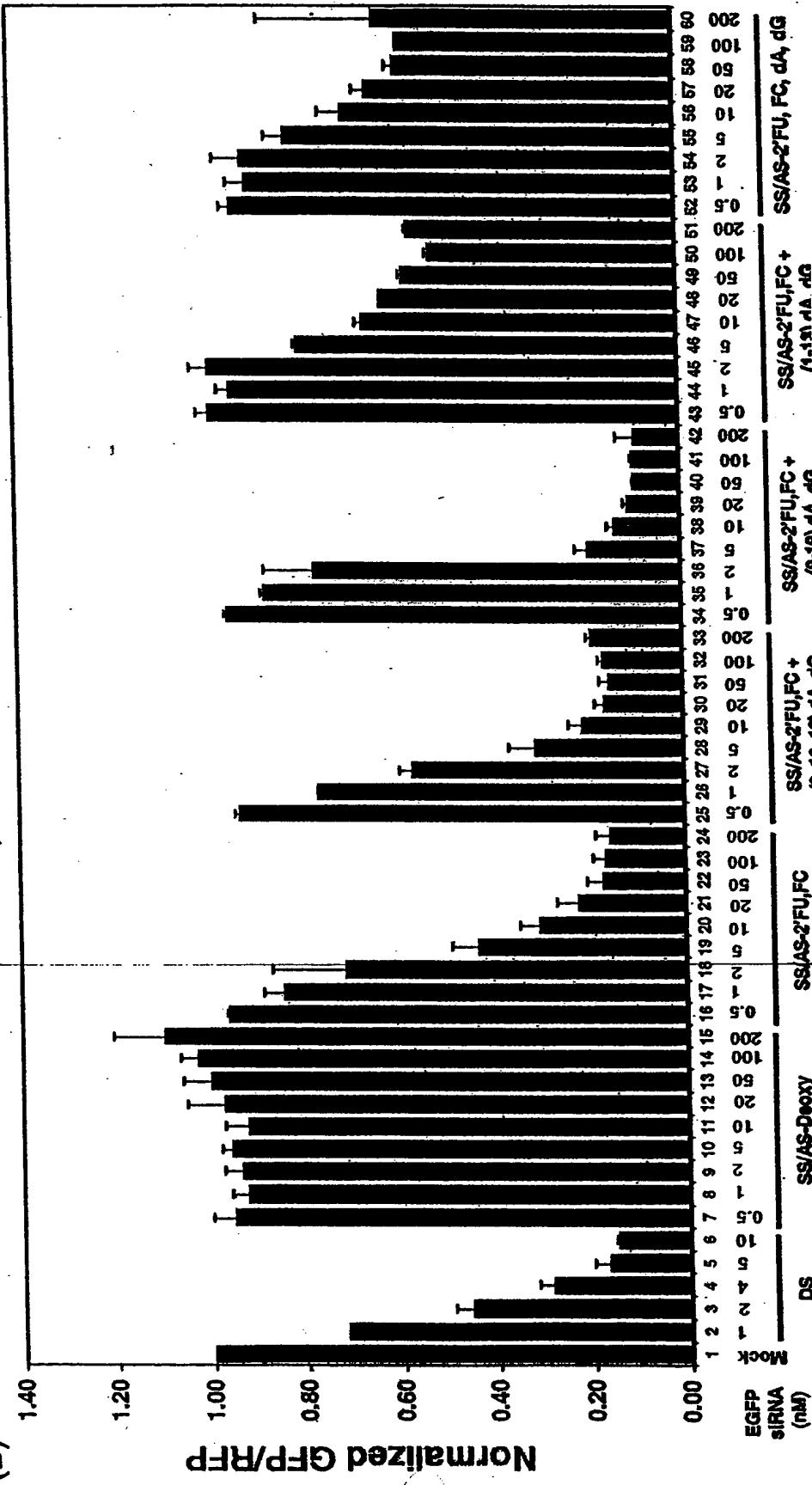


FIG 13A-B



(B) Effect of 2'-FU, FC and Deoxy Modified siRNA



2' structure

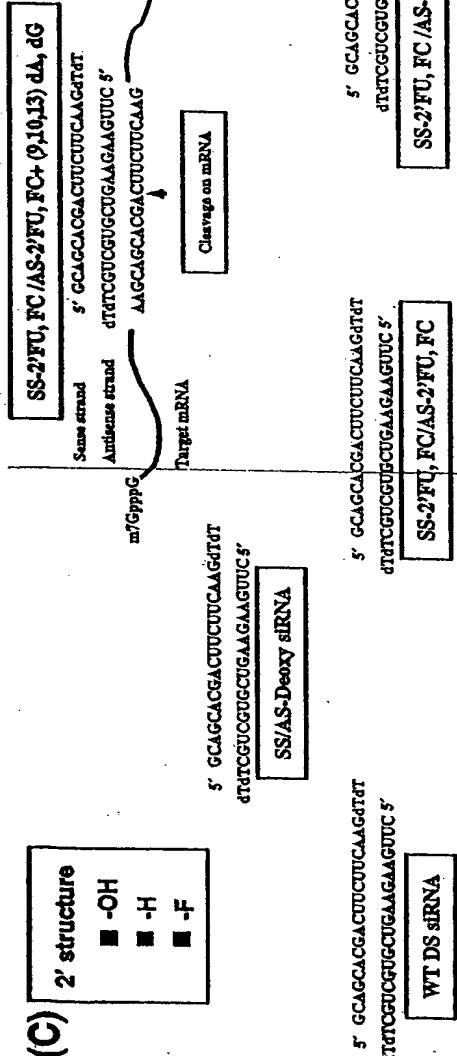
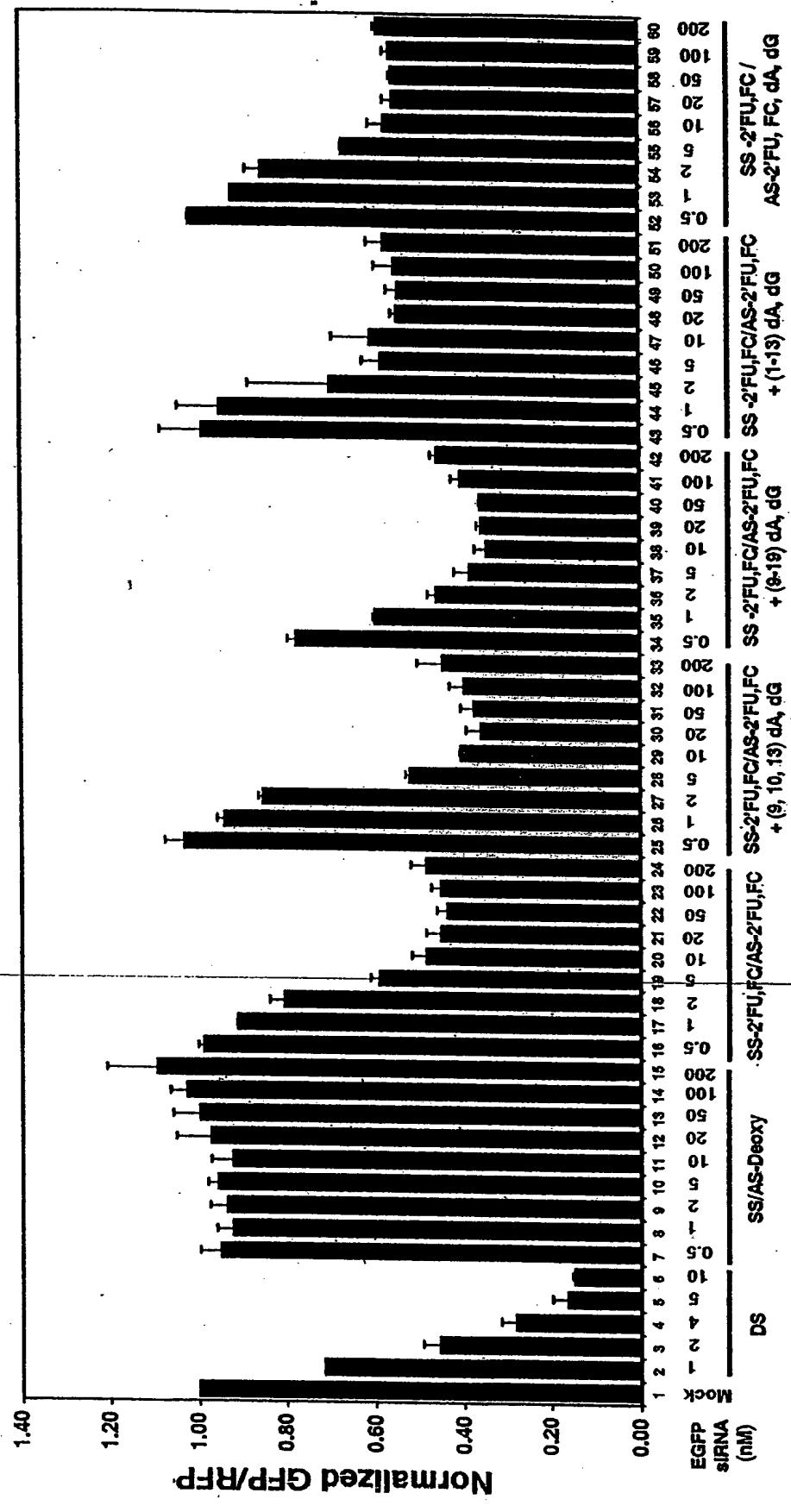


FIG 13C-D



三

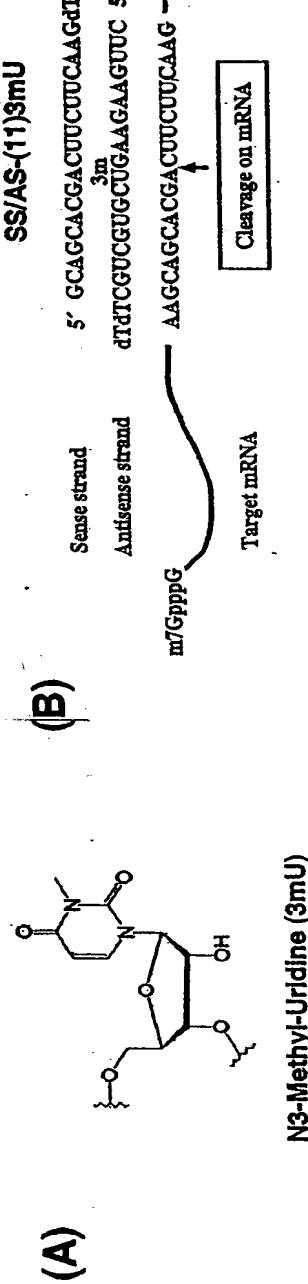
Effect of 2'FU,FC and Deoxy Modified siRNA (continue..)



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FIG 14



Effect of 3mU Modified siRNA

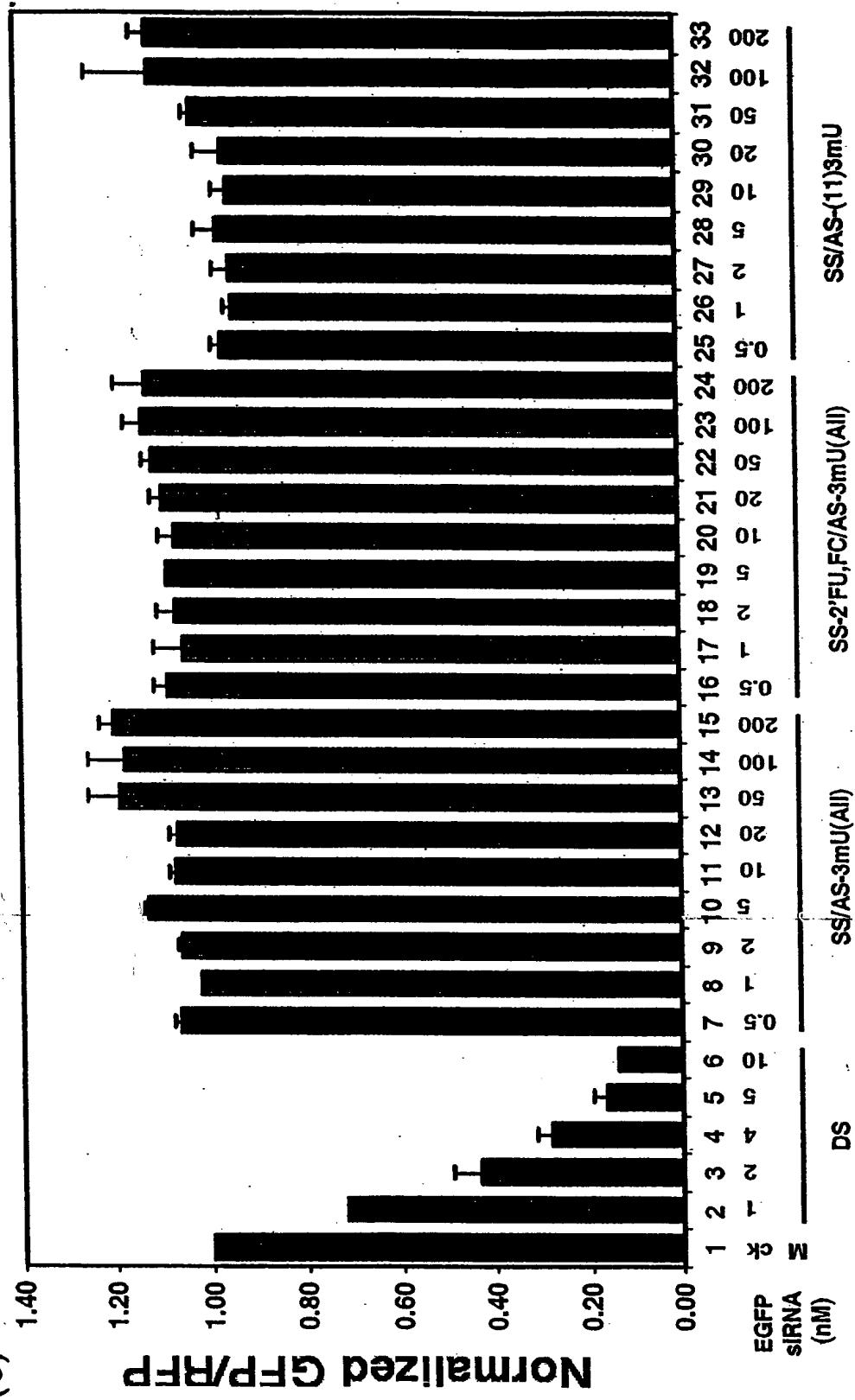
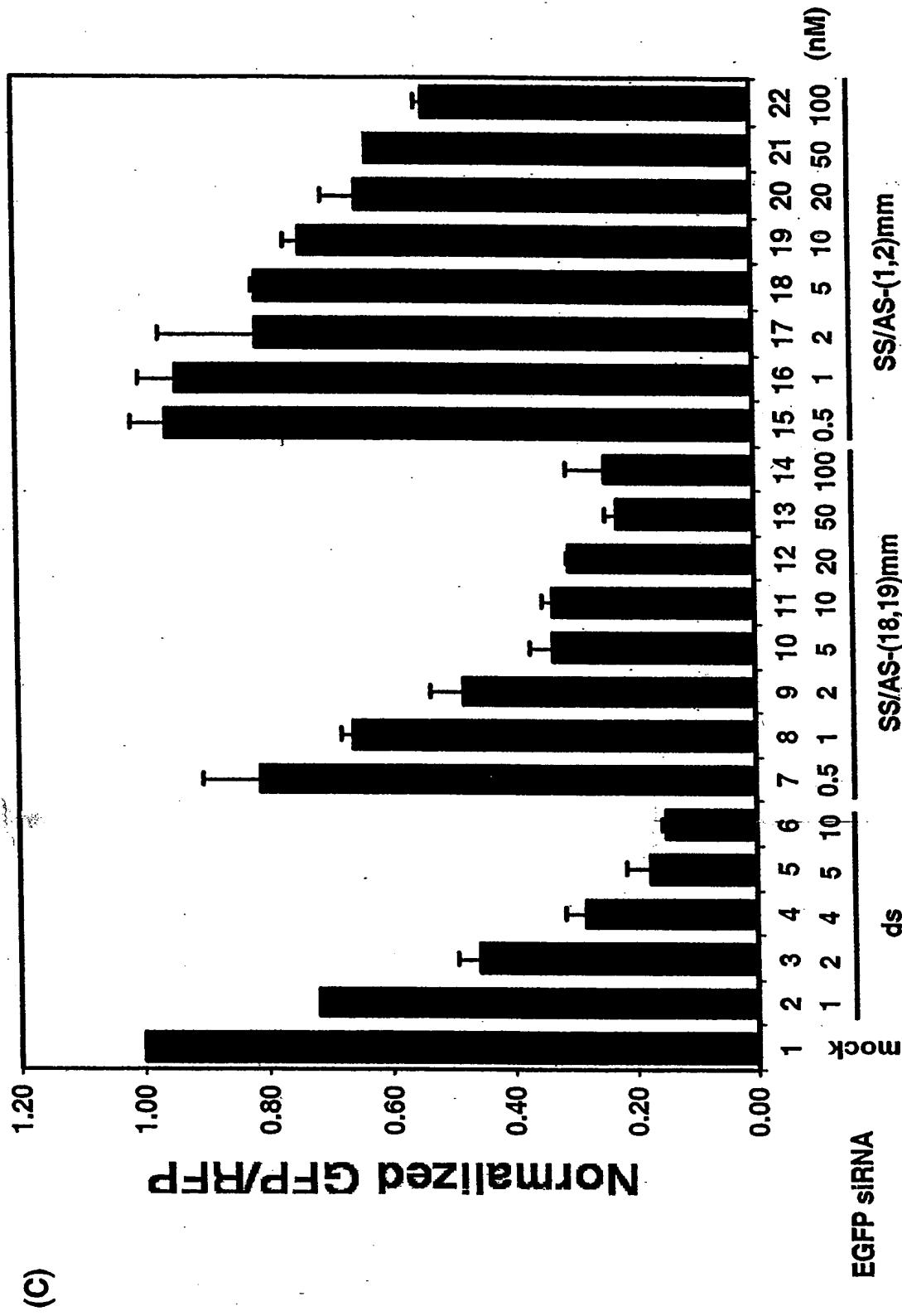


FIG 15

(A) **GCAGCACGACTUCUUCAAAGATAT**
dTATCGUCGUGCUAAAGAUUC

(B) **GCAGCACGACUUCUUCAAAGdTdT**
dTATCGUCGUGCUGAAGAUUC
 ds



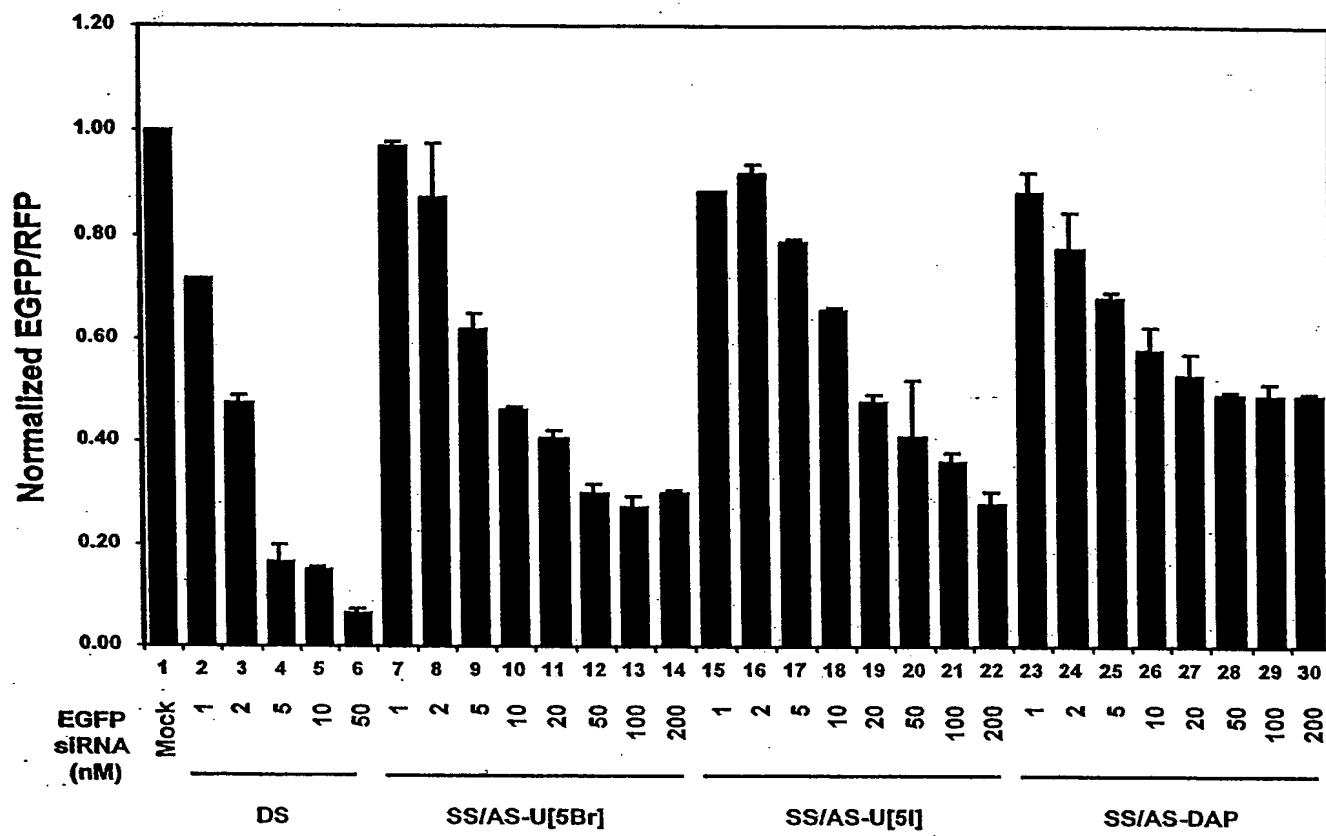
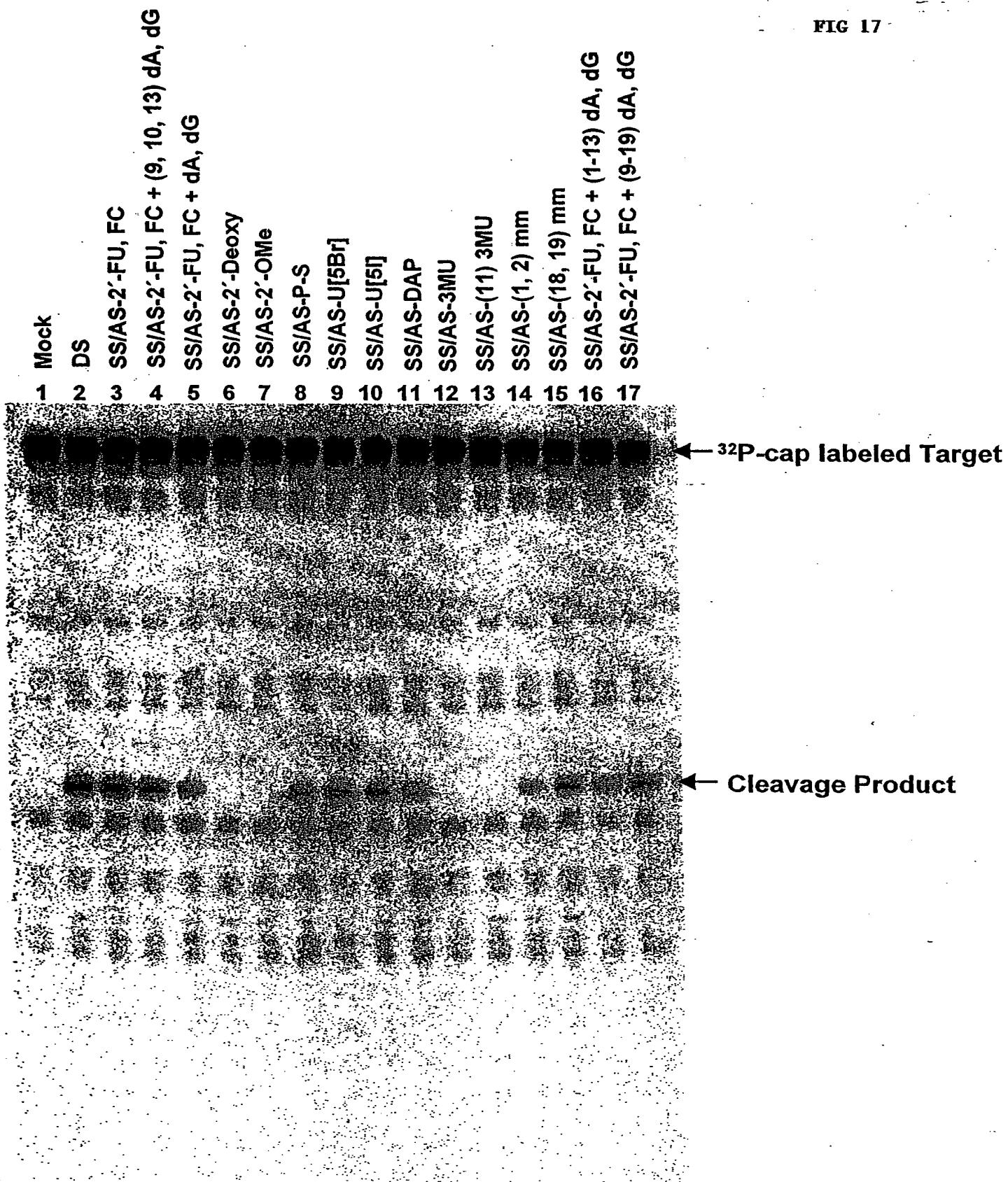


FIG 17



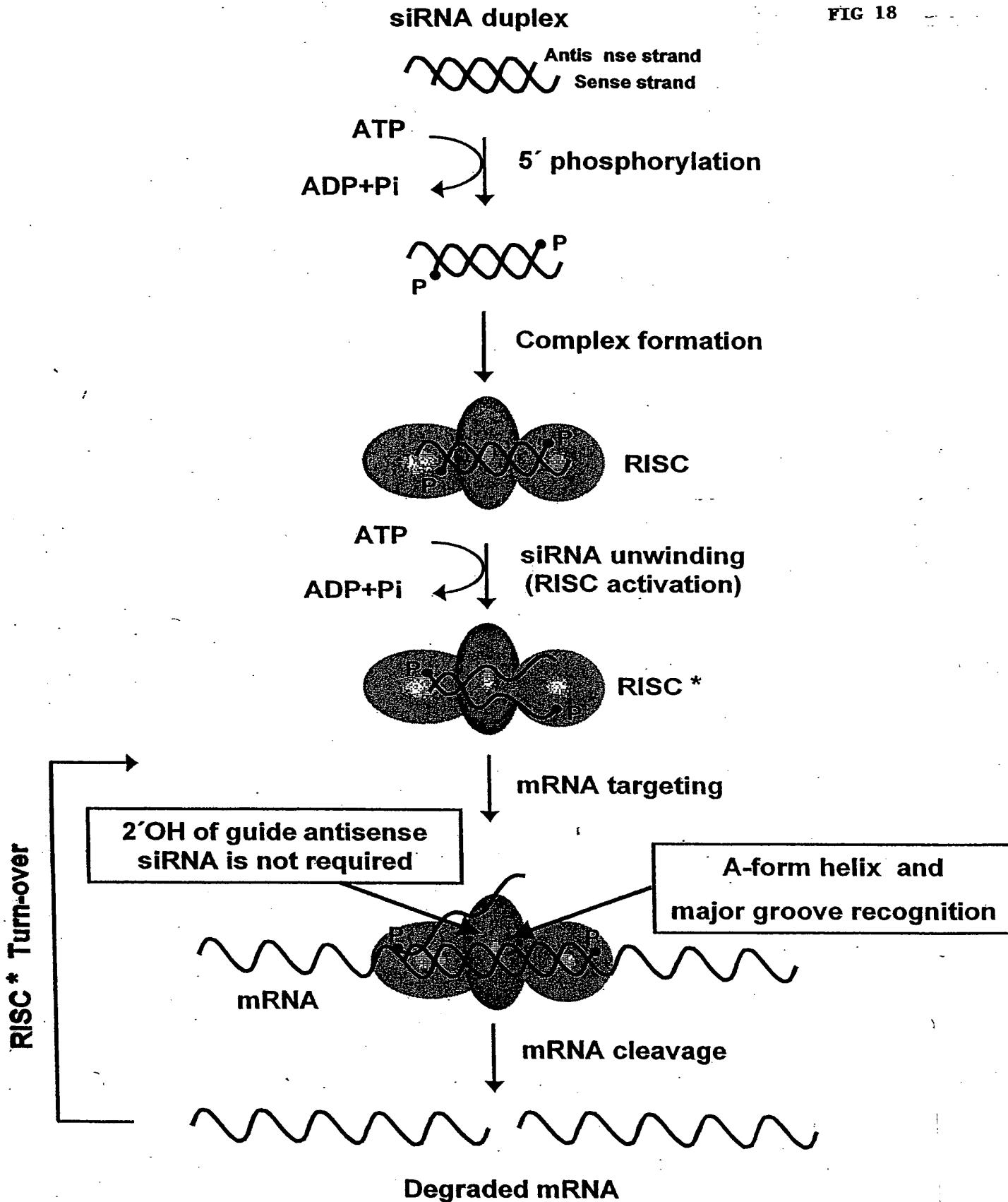
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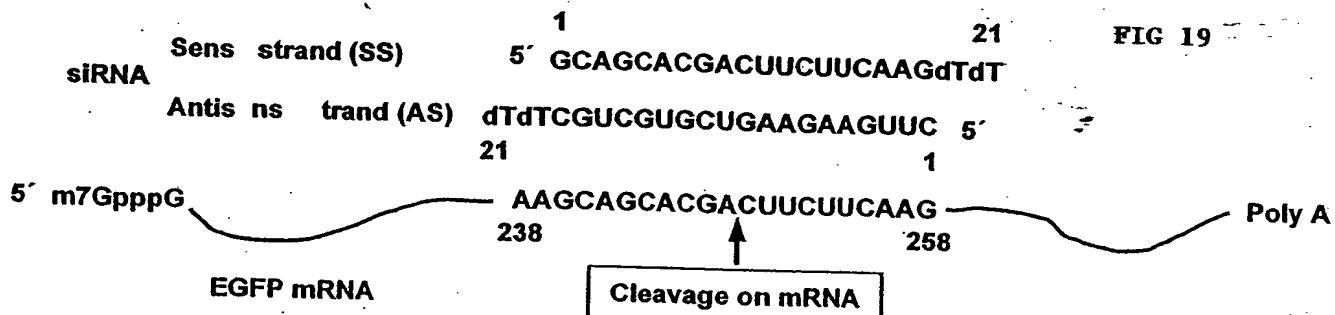
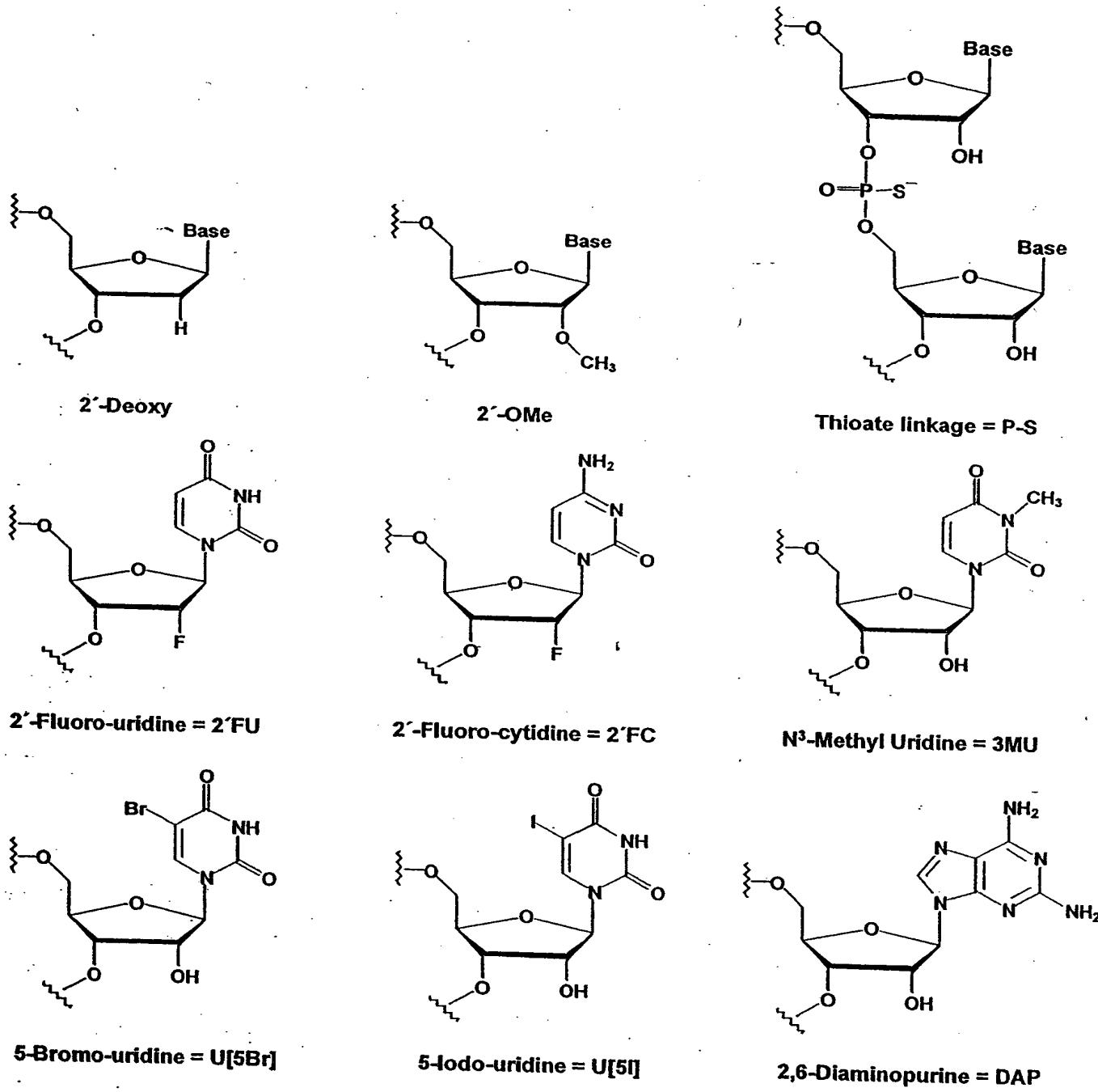
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FIG 18



A**B**

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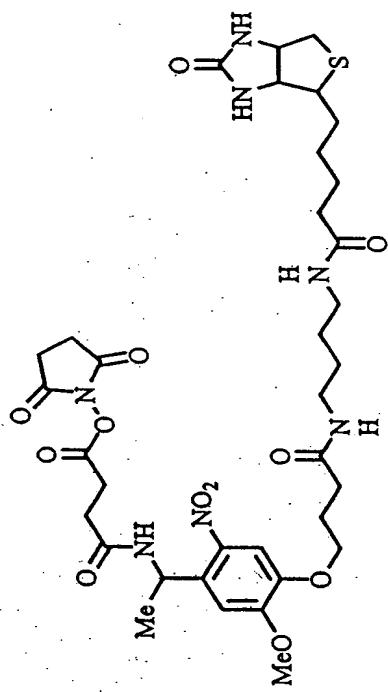


Figure 20

Photocleavable Biotin